

FERROMETAL SHOWERS

A COMPLETE SHOWER UNIT
FOR ALL PURPOSES



Litterer Bros. Manufacturing Co.

3022-3032 North Rockwell Street
CHICAGO : : ILLINOIS

Representatives in all principal cities

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Modern America's Bath

The Shower is the Thing

The aggressive American business man does not want to soak in soapy suds. He revels in the invigorating rush of clean sparkling water that purges away the soap as fast as it has done its cleaning.

And the American woman---with her blooming, healthy beauty, her golf, tennis, outdoor and indoor activity --- she demands the shower with its water temperature that can be instantly regulated and its features of cleanliness and hygiene.

---But heretofore the shower has been the bugbear of architect and builder because the perfect shower *must* be permanently water-tight.

It took FERROMETAL and KUPRALUMINUM Showers to solve this problem completely with a water-tight enclosure, attached to a base by such an ingenious method that leakage is no more possible than as if the whole compartment were one solid block.



This unit can be set into the floor, or on it, but is a separate unit in itself---completely eliminating the greatest cause of shower leakage because it is entirely independent of vibration, settling and kindred developments that are present in every building, new or old.

In the next few pages, FERROMETAL and KUPRALUMINUM Showers are described in detail and proof laid before you of the truth of our slogan---

"A Shower for Every Purse and Purpose"



TYPES FT AND KT

PAT. APPLIED FOR

Ferrometal and Kupraluminum Terrazzo Receptor Showers

The Perfect Shower Unit

The metal enclosure of the FERROMETAL and KUPRALUMINUM Shower is built and completely assembled at the factory. The joints are double-lock seam construction. A shower enclosure must be factory assembled by experts in order to insure water-tight construction.

The sides of the enclosure are right angled to form the front of the unit. This means only two seams, both at the back of the shower—making a smooth, handsome construction of additional strength and absolutely preventing any possibility of buckling.

The enclosure consists of galvanized Keystone Copper Bearing, rust-resisting steel or Kupraluminum metal. Furnished with two coats of special aluminum primer, ready for enameling or lacquering in any color desired to harmonize with the bathroom and fixtures. It is impractical to use anything other than an elastic enamel or lacquer because the large surface of the enclosure wall requires a flexible finish for permanent beauty.

The unit is set so as to stand firmly on the floor without being anchored, and eliminates possibility of cracking or buckling due to distortion of building.

Entrance is standard size for equipping with glass or metal door, either upon installation or at subsequent date.

The Terrazzo Receptor illustrated below can be furnished with detachable metal ground strip for plastering and tile walls when receptors are furnished without shower body.

The Receptor

Our Terrazzo Receptors are handsome and substantial. They are made of the finest grade white Portland waterproof cement, in which are mixed selected chips of Vermont black marble.

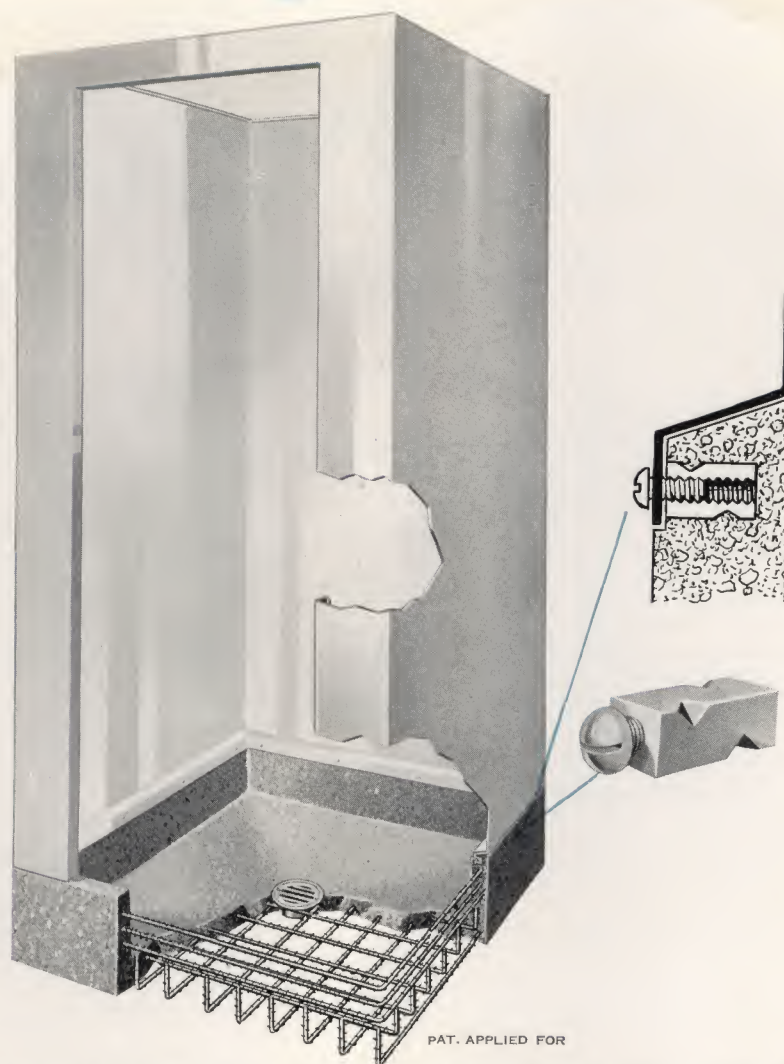
After being moulded and cured for at least thirty days, each receptor is hand polished—on all sides, in and out—a smooth, beautiful finish that will harmonize with the finest marble, tile or Terrazzo floor and walls.

The Terrazzo Receptor is free from seepage, eliminating expensive lead pans.

Receptors are shipped separate from the shower enclosure.



"A Shower for Every Purse and Purpose"



PAT. APPLIED FOR

Construction Details of Ferrometal and Kupraluminum Units

The following details as illustrated above bring out the exclusive features of FERROMETAL and KUPRALUMINUM construction.

The receptor is moulded with a small setback around the inner edge which forms a shoulder, on which the enclosure walls are set and held firmly in place by brass screws which thread into brass anchor shells, embedded so firmly in the receptor that there is no possibility of their ever pulling out.

This method of anchoring has *three* great advantages:

1. *It permits of an absolutely flush joint between the surface of the receptor and the enclosure wall, which adds to the beauty and strength of the unit.*
2. *It eliminates all chance of the receptor being cracked or weakened during shipment or installation—a constant danger where, as in other types of construction, the anchor protrudes from the receptor and is subject to blows while handling. Ours is the only shower construction where the anchor is completely imbedded in the receptor itself.*

3. *It is a greater protection against rust because it makes a bond of the metal enclosure wall against the Terrazzo receptor. Other constructions have a bond of metal wall against metal anchor strip which rusts much more rapidly.*

The receptor is reinforced with $\frac{1}{4}$ " steel rods, which extend upward into the sides and are crossed by horizontal rods embedded in the four side walls of the receptor. This is the same method of reinforcing specified by engineers in concrete bridge work, and is far stronger than any other method.

The drain opening is countersunk and there is a $\frac{3}{4}$ " shoulder from the edge of the strainer face plate to the edge of the drain opening. This gives ample room for calking, assuring water tight construction, and eliminates all danger of breakage due to pressure when locking strainer body into trap body. Due to the drain opening being countersunk, the strainer face plate will finish flush with the inside surface of the receptor. See roughing-in details, bottom of page 7.



Specifications for Ferrometal and Kupraluminum Terrazzo Receptor Showers

TYPES FT 1, 2 AND 3, AND KT 1, 2 AND 3

Material

FERROMETAL unit shower stall bodies in connection with Terrazzo Receptors are made of No. 16-gauge, galvanized, rust-resisting Keystone Copper Bearing Steel.

Construction

The sides of the shower body are made of three pieces of metal with double-lock seams at the rear corners. The two sides of the showers are extended in one piece to front opening, and finished at shower entrance opening with a heavy beaded formation, with no raw edges exposed.

The shower body at the bottom finishes flush with inside face of Terrazzo Receptor; held securely in place with heavy brass screws, entering into one-half-inch-square, solid brass anchor shells, firmly imbedded in receptor. Owing to their square shape, cannot turn or loosen up.

Strainer Body

Standard strainer body is of heavy cast brass, with heavy, nickel-plated strainer face plate, setting flush with floor of receptor. Furnished in two types, one for inside calking, over a two-inch iron pipe—also for Josam trap bodies, as listed in Roughing-In details, bottom of next page. Strainer bodies can also be furnished on specification with strainer face plate of Chromium plate.

Receptor

Receptor is made of Terrazzo consisting of best grade waterproof white Portland cement, mixed with black Vermont marble chips. After being moulded, receptors are cured for thirty days or more and then hand polished to smooth and beautiful finish.

Curtain Rods and Curtains

Heavy brass, nickel-plated curtain rod extending across entire front of shower body, held in place at each end with heavy flanges. By this method of tying rod to both sides, additional bracing is provided for front of shower body. Heavy 9-oz. duck curtains with brass, nickel-plated, sliding loop rings, furnished when specified. Prices furnished on special roller rings and curtains of special material.

Kupraluminum Terrazzo Receptor Showers

We have developed our KUPRALUMINUM TERRAZZO RECEPTOR Shower in the desire to build a unit of finest possible quality. The enclosure walls are made of No. 8 gauge KUPRALUMINUM, a special metal manufactured for us from a formula composed of copper alloy, aluminum and silicon, giving it much greater tensile strength than ordinary commercial aluminum. We absolutely guarantee it against rust, and it will last a lifetime.

The construction is exactly the same as the FERROMETAL Unit Shower Stall Bodies described above.

Finish

Metal enclosures are given two coats of special aluminum primer before leaving factory. After installation showers should be given a coat of waterproof enamel or lacquer in any color desired.

Architect's Specifications

FERROMETAL or KUPRALUMINUM Terrazzo Receptor Showers to be furnished as manufactured by LITTERER BROS. MFG. CO. of Chicago, Ill., and to be of sizes as shown or hereinafter specified. FERROMETAL Terrazzo Receptor Showers to be constructed of No. 16 gauge, galvanized, Keystone Copper Bearing (Rust Resisting) steel—KUPRALUMINUM Terrazzo Receptor Showers to be constructed of No. 8 gauge KUPRALUMINUM metal.

Specifications for Ferrometal and Kupraluminum Terrazzo Receptor Showers---Continued

TYPES FT 1, 2 AND 3, AND KT 1, 2 AND 3

Weights, Sizes and Prices

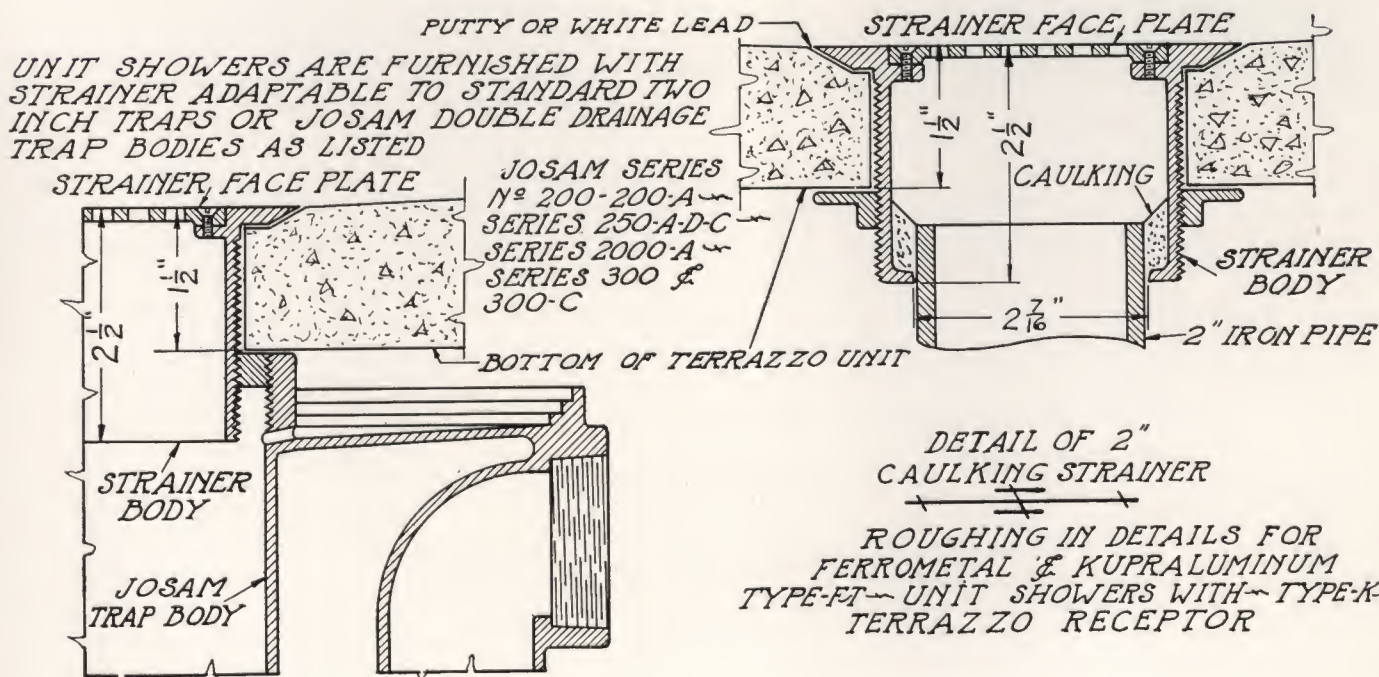
TERRAZZO RECEPTOR GALVANIZED UNIT SHOWERS

Type	Size	Weight, crated	List
FT-1.....	30 in. wide x 32 in. deep	450 lbs.	\$90.00
FT-2.....	32 in. wide x 32 in. deep	460 lbs.	90.00
FT-3.....	36 in. wide x 36 in. deep	500 lbs.	95.00

TERRAZZO RECEPTOR KUPRALUMINUM UNIT SHOWERS

Type	Size	Weight, crated	List
KT-1.....	30 in. wide x 32 in. deep	400 lbs.	\$150.00
KT-2.....	32 in. wide x 32 in. deep	410 lbs.	150.00
KT-3.....	36 in. wide x 36 in. deep	450 lbs.	160.00

Heavy 9-ounce duck curtain for each shower unit, equipped with sliding hooks, \$3.00 each, list. Additional cost for curtains equipped with Day Roller Patented Hooks, extra each compartment, \$1.00. Price per hook, 15c. Extra for Chromium plated strainer face plate, \$2.50 each.





TYPES F AND K

PAT. APPLIED FOR

Ferrometal and Kupraluminum Unit Shower Stalls Without Terrazzo Receptors

Consistent with our slogan of "A Shower for Every Purse and Purpose," we have developed FERROMETAL and KUPRALUMINUM Unit Shower Stalls, as illustrated herewith, without the Terrazzo Receptor.

This unit is less expensive, much easier to handle on account of being lighter in weight without the Terrazzo Receptor, but is absolutely guaranteed to be water tight and of long life.

Note diagram of construction below.

Features of Construction

In the construction and design of our UNIT SHOWER STALLS, sanitation, durable construction and practical utility necessary to meet all conditions will be found.

FERROMETAL Unit Shower Stalls are constructed of No. 12 gauge galvanized Keystone Copper Bearing Steel (Rust Resisting), the front, sides and back being so formed as to give the maximum strength and rigidity required for a fixture of this kind. The inverted bottom construction eliminates the necessity of filling or grouting in under the shower and also gives additional strength.

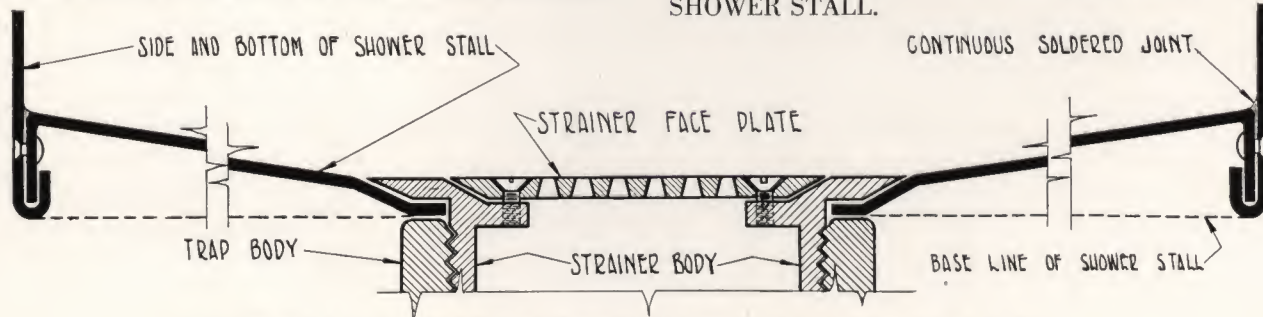
Water Tight

FERROMETAL and KUPRALUMINUM UNIT SHOWER STALLS are so designed and constructed that they will not leak and can be used in SINGLE UNITS, OR IN BATTERIES.

Kupraluminum Unit Shower Stalls

We have developed a Kupraluminum Unit Shower Stall in the desire to build an all-metal unit of the finest possible quality. The enclosure walls are made of No. 8 Gauge Kupraluminum, a special metal manufactured for us from a formula composed of copper alloy, aluminum

and silicon, giving it much greater tensile strength than ordinary commercial aluminum. We absolutely guarantee it against rust, and it will last a lifetime. THE KUPRALUMINUM UNIT SHOWER STALL is constructed exactly the same as the FERROMETAL UNIT SHOWER STALL.



SECTION THROUGH BASE OF UNIT SHOWERS—SCALE ONE-HALF SIZE

"A Shower for Every Purse and Purpose"

Specifications for Ferrometal and Kupraluminum Unit Shower Stalls Without Terrazzo Receptors

Material

FERROMETAL Unit Shower Stalls are constructed of No. 12 gauge, galvanized Keystone Copper Bearing Steel (Rust Resisting).

KUPRALUMINUM Unit Shower Stalls are constructed of No. 8 gauge KUPRALUMINUM.

Construction

Front, sides and back are so formed as to give the maximum strength and rigidity required for a fixture of this kind. The opening at the front is finished with a heavy beaded formation with no raw edges exposed. The inverted bottom construction eliminates the necessity of filling or grouting in under the shower. Also, gives additional strength.

KUPRALUMINUM Unit Shower Stalls are constructed exactly the same as the FERROMETAL Unit Shower Stalls.

Finish

FERROMETAL and KUPRALUMINUM Unit Shower Stalls are given two coats of special aluminum primer before leaving the factory. After installation, the unit shower should be given a good coat of waterproof enamel or lacquer of any color desired to harmonize with fixtures or room.

Strainer Body

Standard strainer body is of heavy cast brass, with heavy nickel-plated strainer face plate, setting flush with floor of receptor. Furnished in two types, one for inside calking, over a two-inch iron pipe—also for Josam trap bodies, as listed in Roughing-In details, bottom of this page. Strainer bodies can also be furnished on specification with strainer face plate of Chromium plate.

Curtain Rods and Curtains

Both types of shower units are provided with a heavy rod extending across the entire front of shower body, held in place at each end with heavy flanges. By this method of tying rod to both sides, additional bracing is provided for front of shower

body. Heavy 9-ounce duck curtains with brass, nickel-plated sliding loop rings, furnished when specified. Prices furnished on special roller rings and curtains of special material on application. The FERROMETAL Unit Showers are provided with a galvanized curtain rod finished with special aluminum primer. The KUPRALUMINUM Unit Showers are provided with heavy, brass, nickel-plated curtain rod.

Architect's Specifications

FERROMETAL or KUPRALUMINUM UNIT SHOWER STALLS to be furnished as manufactured by LITTERER BROS. MFG. CO. of Chicago, Ill., and to be of sizes as shown or hereinafter specified. FERROMETAL UNIT SHOWER STALLS to be constructed of No. 12 gauge galvanized copper bearing steel—KUPRALUMINUM UNIT SHOWER STALLS to be constructed of No. 8 gauge KUPRALUMINUM metal.

Weights, Sizes and Price List

FERROMETAL GALVANIZED UNIT SHOWERS

Without Terrazzo Receptor

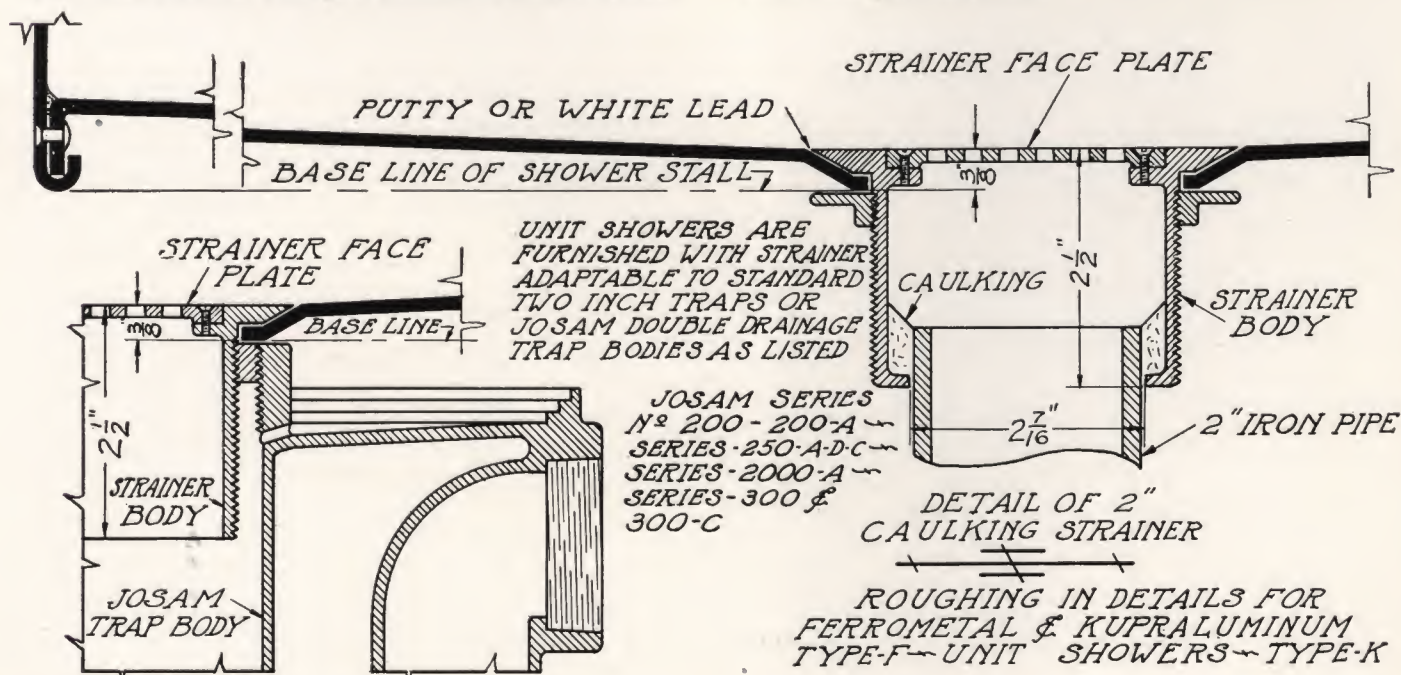
Type	Size	Weight, not crated	List
F-1.....	30 in. wide x 32 in. deep	300 lbs.	\$70.00
F-2.....	32 in. wide x 32 in. deep	310 lbs.	70.00
F-3.....	36 in. wide x 36 in. deep	325 lbs.	75.00

KUPRALUMINUM UNIT SHOWERS

Without Terrazzo Receptor

Type	Size	Weight, crated	List
K-1.....	30 in. wide x 32 in. deep	150 lbs.	\$130.00
K-2.....	32 in. wide x 32 in. deep	160 lbs.	130.00
K-3.....	36 in. wide x 36 in. deep	200 lbs.	140.00

Heavy 9-ounce duck curtain for each shower unit, equipped with sliding hooks, \$3.00 each, list. Additional cost for curtains equipped with Day Roller Patented Hooks, extra, each compartment, \$1.00. Price per hook, 15c. Extra for Chromium-plated strainer face plate, \$2.50 each.





TYPE B

PATENTED

Ferrometal Industrial Steel Showers

Here is a shower designed for industrial use, offering, however, all the advantages of watertight and long-life construction.

Construction

FERROMETAL INDUSTRIAL SHOWERS are made of $\frac{1}{8}$ -in. thick black Keystone Copper Bearing Steel (Rust Resisting). The side walls are made of one piece of metal, welded to a one-piece bottom. The bottom is not inverted, and does not incorporate the self-leveling, non-grouting feature found in the all-metal FERROMETAL and KUPRALUMINUM Showers.

Finish

FERROMETAL INDUSTRIAL STEEL SHOWERS are given two coats of special aluminum primer before leaving factory. After installation, they should be given a coat of air-dried enamel or lacquer of any color desired.

Equipment

Units are provided with galvanized iron curtain rod, finished with aluminum primer, extending across entire front of shower body and held in place at each end with heavy flanges—this method of tying furnishing additional bracing to front of body. Heavy duck curtains with hooks furnished when specified.

Strainer body is of heavy cast brass with heavy nickel-plated face plate, set flush into countersunk drain opening. This is furnished in two types, one for inside calking over a 2" iron pipe, or will fit Josam double drainage trap bodies of numbers indicated below.

Architect's Specifications

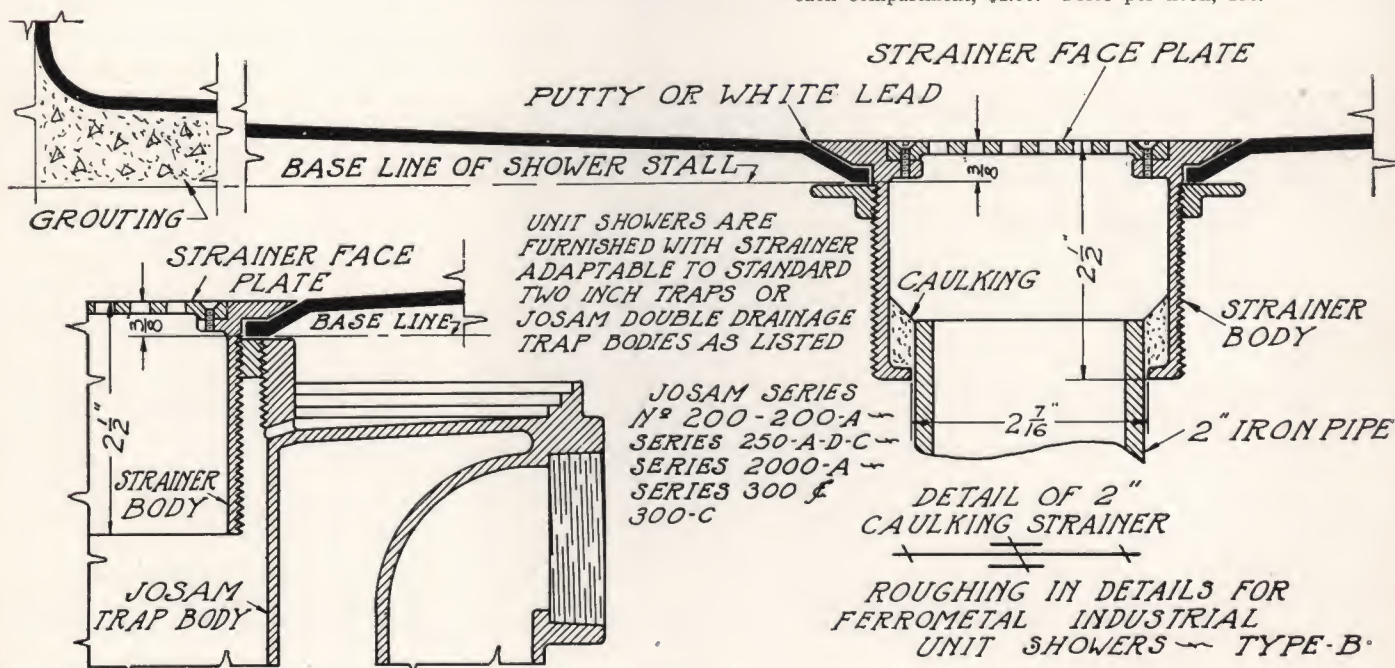
FERROMETAL Industrial Showers to be furnished as manufactured by LITTERER BROTHERS MFG. CO. of Chicago, Ill., and to be of sizes as shown or hereinafter specified. FERROMETAL Industrial Showers to be constructed of $\frac{1}{8}$ -in. thick black Keystone Copper Bearing Steel.

Weights, Sizes and Prices

FERROMETAL INDUSTRIAL SHOWERS

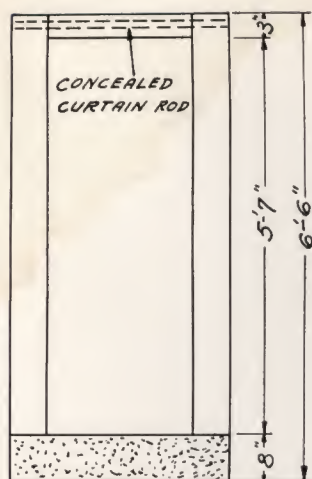
Type	Size	Weight Not Crated	List
B-1.....	30 in. wide x 32 in. deep	350 lbs.	\$72.00
B-2.....	32 in. wide x 32 in. deep	360 lbs.	72.00
B-3.....	36 in. wide x 36 in. deep	400 lbs.	75.00

Heavy 9-oz. duck curtain for each shower unit, equipped with sliding hooks, \$3.00 each, list. Additional cost for curtains equipped with Day Roller Patented Hooks, extra, each compartment, \$1.00. Price per hook, 15c.

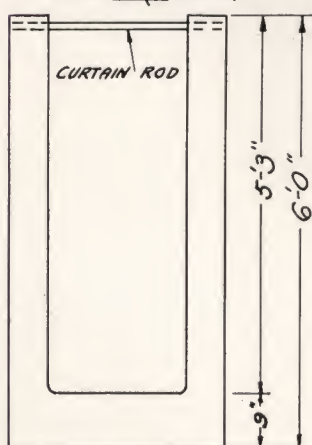


"A Shower for Every Purse and Purpose"

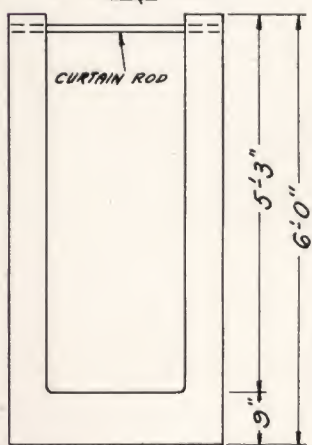
Standard Dimensions for Unit Showers



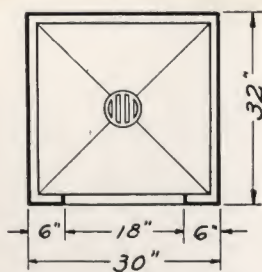
FRONT ELEVATION
TYPES-FT & KT



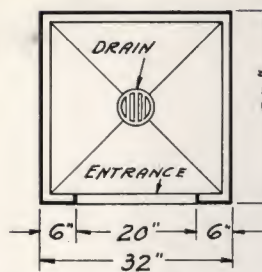
FRONT ELEVATION
TYPES-F & K



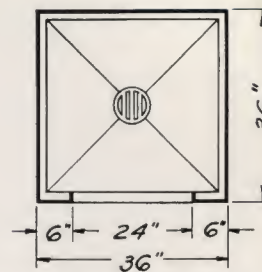
FRONT ELEVATION
TYPE-B-



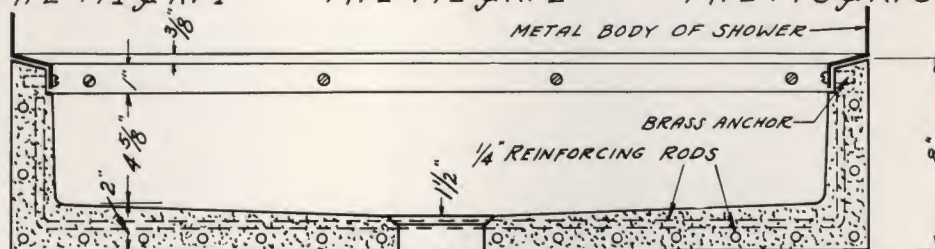
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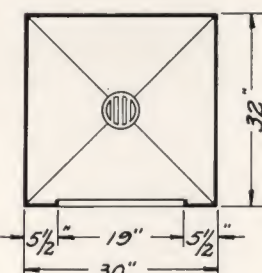
TYPE-FT-2 & KT-2



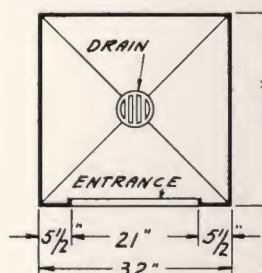
TYPE-FT-3 & KT-3



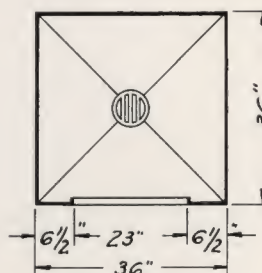
SECTION THRU TERRAZZO RECEPTOR



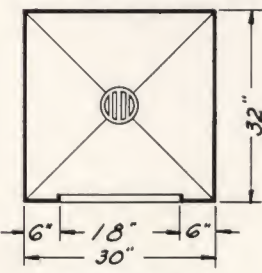
TYPE-F-1



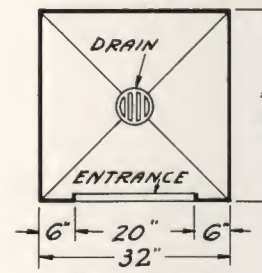
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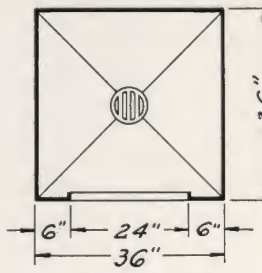
TYPE-F-3



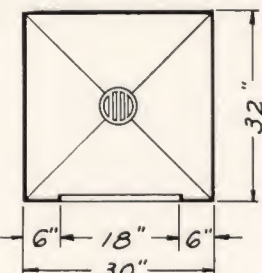
TYPE-K-1



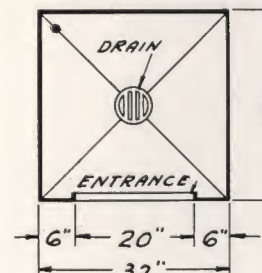
TYPE-K-2



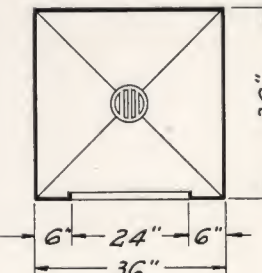
TYPE-K-3



TYPE-B-1



TYPE-B-2



TYPE-B-3



Showers with Ferrometal Dressing Compartment

This is an ideal construction for gymnasiums, natoriums, public institutions, clubs, etc. Can be used equally well with any one of our various types of showers—FERROMETAL and KUPRALUMINUM units with Terrazzo Receptor, FERROMETAL and KUPRALUMINUM all-metal units. It provides the privacy of a dressing room as a combination with the shower enclosure. Can be made in any size or arrangement desired, from single units to large batteries.

Battery Formation

As shown in illustration to right, all types of showers can be furnished in battery formation. Any size, number of units and groupings desired. Note the face plates furnished to cover up the joint where the units meet.



Offset Shower Unit

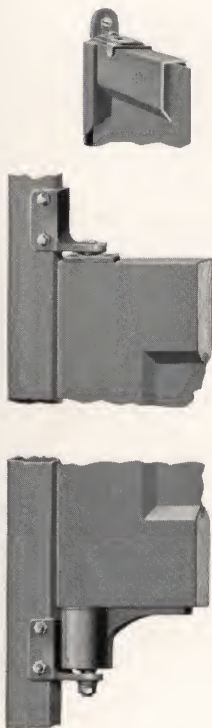
The feature of this enclosure, in illustration to left, is that the opening is off center to permit of installation in odd corner or with seat as shown in illustration.

Ferrometal Steel Partitions

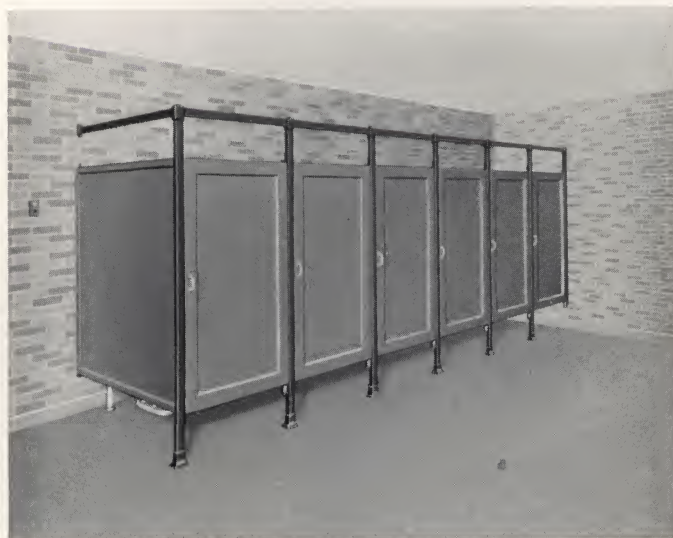


Above is FERROMETAL Partition Construction where it is necessary to enclose access or working spaces. This is typical of many school, club, hospital, industrial plant and office installations.

FERROMETAL STEEL PARTITIONS are made of 16-gauge Keystone (rust resisting) copper bearing steel, full pickled, 3 pass cold rolled, patent leveled. The head rails are of rectangular-shaped tubing, held in place by adjustable castings with flush set screws. Partitions are set in heavy cast brass floor shoe, $3\frac{1}{2}$ " high, having a 2" vertical adjustment to allow for uneven floors and are fastened to the floor with concealed screws or lags. Fittings are provided at top and bottom of partitions so that they may be set away from the wall if desired. Doors are equipped with Lawson Universal hinges which permit adjustment to any position. Standard equipment for each door includes heavy slide bolt, strike, two stops, one pull and coat hook equipped with rubber-tipped bumper for doors swinging in. Backs are furnished in one piece—with upper part removable—or with access door in upper part, or at ends if required.



Battery formation of FERROMETAL Partitions without metal enclosing work. FERROMETAL partitions and doors can meet every requirement for individual toilets, showers, dressing rooms or any enclosure having metal partitions.



The upper illustration of the three to left shows how the partition panel is interlocked and inserted full depth into the panel rail, securely welded, making sanitary and homogeneous joints throughout. Edges of panel rail are beveled so same will lie flat against partition panel, eliminating any crevices to catch dirt. The bottom illustrations show FERROMETAL door construction. Note the heavy, rugged, foolproof hinge, also the double thickness, overlapping, countersunk miters. Stiles contain a wood core, making door practically noiseless and holding hardware securely in place.

See typical layouts and construction details on following pages.



FOREWORD

FERROMETAL Steel Partitions and Doors together with FERROMETAL, KUPRALUMINUM and TERRAZZO Receptor Shower Stalls have for many years filled a definite requirement in the economical and sanitary equipping of the modern toilet shower and dressing room compartments and represent several years manufacturing experience resulting in a highly developed product for all types of building.

SPECIFICATIONS

Material

All FERROMETAL PARTITIONS AND DOORS are constructed of Keystone (Rust Resisting) copper bearing, Steel, full pickled, 3 pass, cold rolled, patent leveled.

Partitions

Solid panel construction of No. 16 Gauge material, with $1\frac{7}{8}$ inch x $1\frac{1}{4}$ inch No. 16 Gauge rectangular hollow metal front and rear posts, and No. 16 Gauge $2\frac{1}{8}$ inch x $1\frac{1}{4}$ inch hollow metal top and bottom sanitary shaped rail. The partition sheet is interlocked and inserted full depth into the four panel rails, securely welded, making sanitary and homogeneous joints throughout.

Doors

Door stiles are $3\frac{1}{2}$ inches wide x 1 inch thick of No. 24 Gauge lead coated copper bearing steel with double thickness overlapping countersunk miters finished flush; into stiles are pressed a kiln dried 1 inch thick wood core with two $\frac{1}{2}$ inch x 6 inch hardwood dowel pins at each corner. This wood core makes door practically noiseless, also holds hardware securely in place. The inner edge of door stiles are sanitary shaped returning 1 inch into stile, interlocking the No. 16 Gauge door panel of lead coated copper bearing steel.

Hardware

(All Hardware is Brass, Nickel-Plated)

Doors provided with a Lawson Universal Hinge No. 800 with top and bottom brackets No. 801-802 and pivot No. 803, adjustment can be made so doors will remain closed or open at any desired position. Standard equipment for each door is heavy slide bolt No. 804, strike No. 808, two stops No. 809, one door pull No. 812, also one coat hook No. 810 for doors swinging out or one No. 811 rubber tipped bumper hook for doors swinging in. (See hardware specifications.)

Head Rails

Rectangular shaped tubing $1\frac{7}{8}$ inch x $1\frac{1}{4}$ inch of No. 16 Gauge held in place with adjustable malleable castings with flush set screws.

Fittings

Heavy cast brass feet for bottom of post at floor, $3\frac{1}{2}$ inches in height with sanitary bottom web allowing free drainage. They

are designed to give a 2 inch vertical adjustment to allow for uneven or pitched floors and are fastened to floor with concealed screws or lags. Fittings are provided at top and bottom of partitions at walls, being designed so partition can be set away from wall, if desired. All head rails and other fittings are malleable, being held in place with concealed set screws.

Backs and Access Doors

Standard backs are furnished in one piece, also with upper part removable, or with access door in upper part of backs, or at ends of utility spaces, making working spaces easily accessible.

Dressing Room and Cubicle Compartments

FERROMETAL partitions are used for dressing room enclosures in connection with showers, for clinic and cubicle units in hospitals and institutions, also for beauty parlor and coupon booths. Where required upper panels of glass for partitions are furnished.

Showers

We recommend our FERROMETAL, Kupraluminum and Terrazzo Receptor unit shower stalls, described in other specifications, or FERROMETAL partitions and doors, similar to assemblies K and L.

Finish

Standard finish of FERROMETAL partitions and doors is prime coat of grey metal filler baked on, also olive green or French grey enamel baked on at a high temperature.

Erection

Erection is very simple. Each partition requires only three bolts with no drilling, cutting or fitting of material in the field. Adjustable wall and foot casting take care of any variation. All parts are plainly marked for erection with numbers shown on blue print furnished with each order.

Ferrometal Doors for Marble, Slate or Glass Partitions

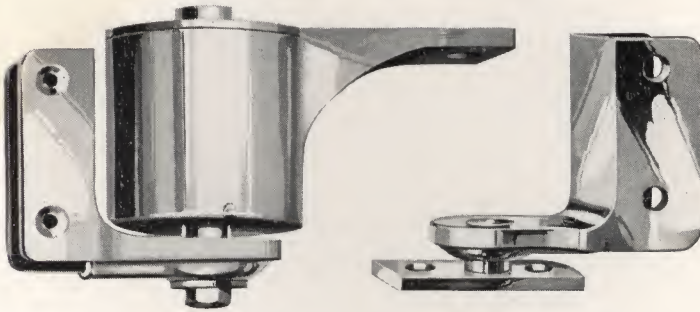
FERROMETAL Doors are adaptable with partitions of marble, slate or glass being furnished with special hardware and the standard FERROMETAL Universal hinge.

All hardware brass nickel-plated.

Standard Hardware

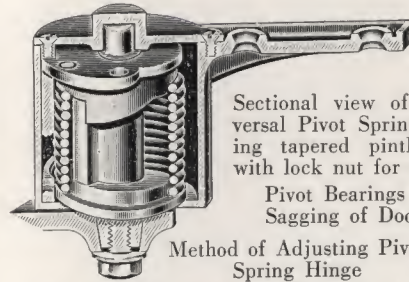
(All Hardware is Brass, Nickel Plated)

The Hardware for FERROMETAL doors and partitions has been selected with the view of meeting requirements for various types of installations, and is considered STANDARD equipment for metal CLOSET STALL PARTITIONS AND DOORS.



Hinge No. 800 with Bottom Bracket No. 801

Top Bracket No. 802 with Pivot No. 803



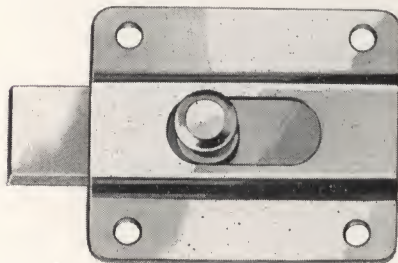
Sectional view of Lawson Universal Pivot Spring Hinge showing tapered pintle and socket with lock nut for adjustment.

Pivot Bearings Prevent Sagging of Door

Method of Adjusting Pivot Spring Hinge

To align the door or obtain regular or reverse action, it is simply necessary to slightly unscrew lock nut at bottom of hinge, raise hinge from tapered socket support, move door to point of action or closure desired and tighten lock nut firmly.

THE Lawson Universal Pivot Spring Hinge gives the utmost flexibility in adjustment, it is not limited to 90° adjustment, but can be set to any desired position WITHOUT REMOVING DOOR; the door can be held ajar, swung in or out or held at any given point. The pivot bearings and the 2½-inch long barrel arm, giving a total bearing surface of 4⅜ inches for door, which prevents sagging. Tempered steel wire springs insure long life of the hinge.



Slide Door Bolt No. 804

Size of case, 2x2½ inches

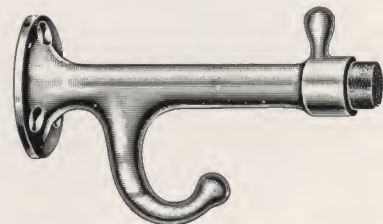
Nickel plated on brass with heavy bar ¾ inch wide, ¼ inch thick and 3 inches long. This bolt is furnished unless otherwise specified.



Clothes Hook No. 810

Size, 3¼x3¼ inches

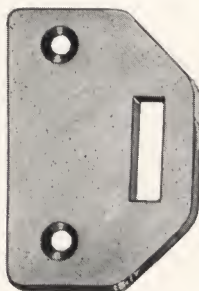
Cast brass nickel-plated. This hook furnished for doors swinging out.



Clothes Hook and Bumper No. 811

Size 3½x2 inches

Nickel-plated cast brass with heavy rubber bumper, for door swinging in.



Door Strike No. 808

Size 2½x1¾ inches

Nickel-plated of heavy stamped brass ½ inch thick, used with all door bolts.



Door Stop No. 809

Size 2x1½ inches

Nickel-plated of heavy stamped brass ½ inch thick with rubber bumper ½ inch thick, securely locked in place.



Door Pull No. 812

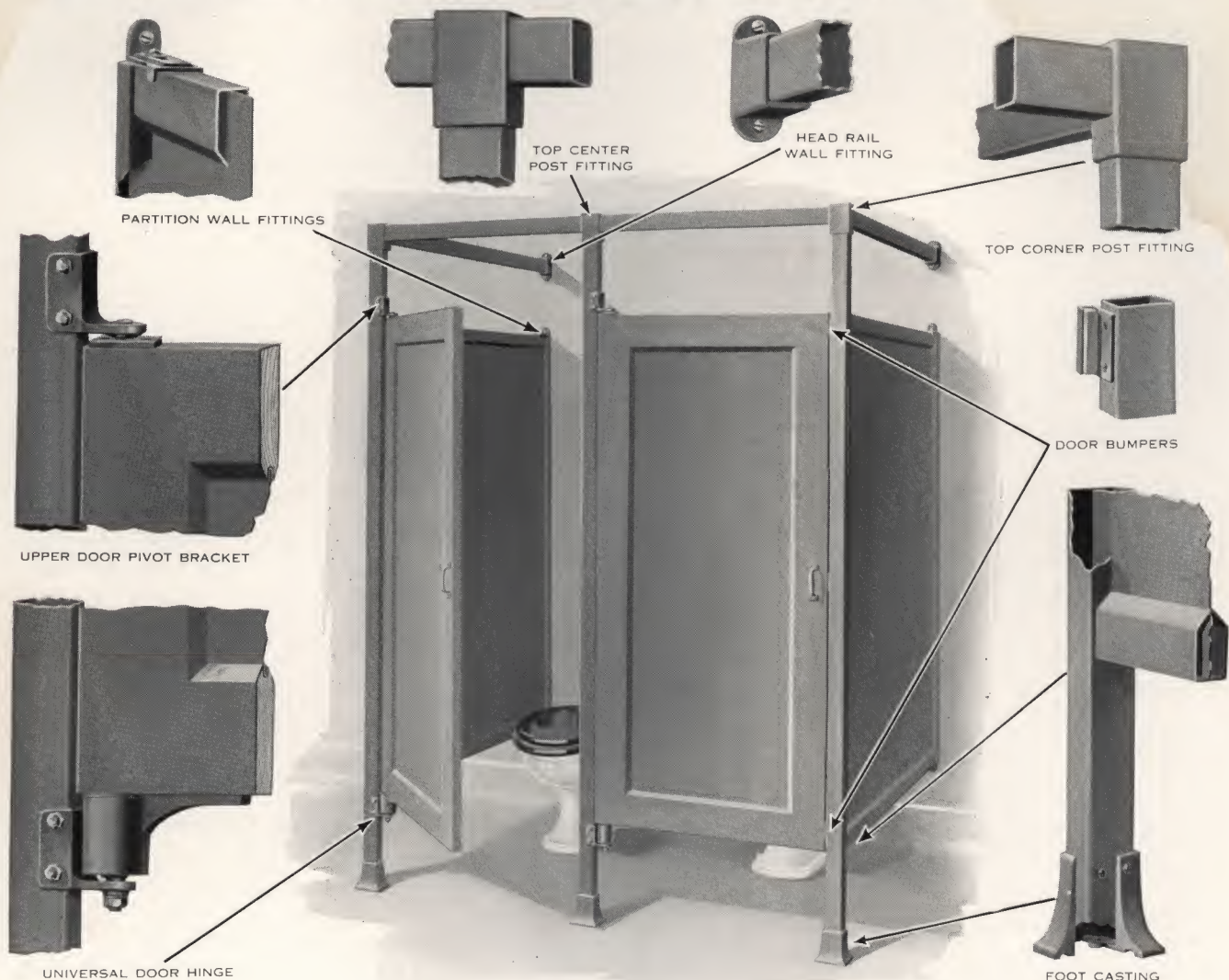
Size 1x4½ inches

Heavy cast brass nickel-plated. This pull furnished unless otherwise specified.



FERROMETAL partitions and doors are used for toilets, showers, urinals, dressing rooms, CUBICLES for hospitals and institutions, screens in vestibules to locker and wash rooms, and in many other places in industrial plants, schools, railways and office buildings, private and public institutions.

A stock of standard sizes is carried at all times and ordinarily prompt shipments can be made.



Features of Construction of Ferrometal Partitions and Doors

PATENT APPLIED FOR

Architect's Specifications

FERROMETAL partitions and doors for all toilets (or showers and dressing rooms) to be furnished as manufactured by Litterer Bros. Mfg. Co. of Chicago and of sizes as shown on plans or as hereinafter specified.

Material in partitions to be Keystone (Rust Resisting) copper bearing steel, full pickled, 3 pass, cold rolled and patent leveled.

Partitions solid panel construction of No. 16 Gauge material with No. 16 Gauge hollow metal front and rear posts of rectangular shape, sanitary shape top and bottom hollow metal rails of No. 16 Gauge with partition sheet interlocked into four sides, securely welded. All joints to be sanitary and homogeneous. Adjustable malleable iron fittings and adjustable self draining brass floor castings to be furnished.

Doors to be 1 inch thick with 3½-inch stiles of No. 24 Gauge lead coated copper bearing steel with over-lapping

double thickness countersunk miters and kiln dried wood core 1 inch thick, with two ½-inch x 6-inch dowel pins at each corner. Inner edge of door stiles to be sanitary shape and interlocked 1 inch with No. 16 Gauge panel of lead coated copper bearing steel.

For each door furnish a Lawson Universal Hinge, allowing door to set in any desired position.

Head rails to be No. 16 Gauge hollow metal, securely fastened with adjustable malleable castings.

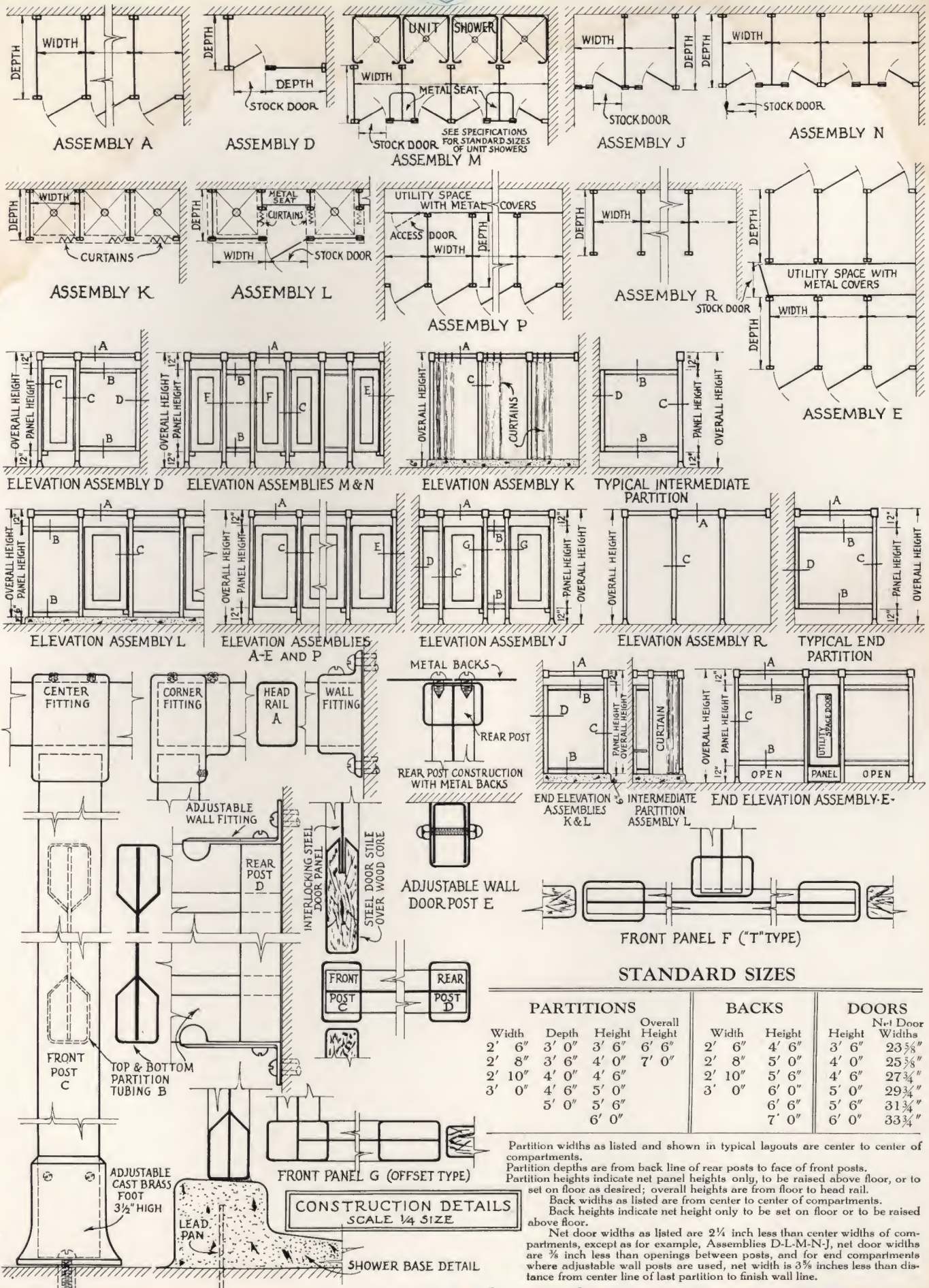
Hardware to be—(select from standard hardware specifications).

All partitions and doors to be finished—(Architect to specify finish desired).

Installation to be made according to manufacturers' instructions and drawings in a thorough and workmanlike manner.

Complete catalogue of Ferrometal Partitions on request

"A Shower for Every Purse and Purpose"



STANDARD SIZES

PARTITIONS					BACKS		DOORS	
Width	Depth	Height	Overall Height		Width	Height	Height	Net Door Widths
2' 6"	3' 0"	3' 6"	6' 6"		2' 6"	4' 6"	3' 6"	23 3/8"
2' 8"	3' 6"	4' 0"	7' 0"		2' 8"	5' 0"	4' 0"	25 5/8"
2' 10"	4' 0"	4' 6"			2' 10"	5' 6"	4' 6"	27 3/4"
3' 0"	4' 6"	5' 0"			3' 0"	6' 0"	5' 0"	29 3/4"
	5' 0"	5' 6"				6' 6"	5' 6"	31 3/4"
		6' 0"				7' 0"	6' 0"	33 3/4"

Partition widths as listed and shown in typical layouts are center to center of compartments.
 Partition depths are from back line of rear posts to face of front posts.
 Partition heights indicate net panel heights only, to be raised above floor, or to set on floor as desired; overall heights are from floor to head rail.
 Back widths as listed are from center to center of compartments.
 Back heights indicate net height only to be set on floor or to be raised above floor.
 Net door widths as listed are 2 1/4 inch less than center widths of compartments, except as for example, Assemblies D-L-M-N-J, net door widths are 1/2 inch less than openings between posts, and for end compartments where adjustable wall posts are used, net width is 3 3/4 inches less than distance from center line of last partition to finish wall line.

Typical Installations of Ferrometal Products

Industrial, Public Service, Commercial

American Can Company, Chicago, Ill.
 Ford Motor Company
 General Motors Company
 National Biscuit Company, Chicago, Ill.
 Illinois Bell Telephone Company, Chicago, Ill.
 Commonwealth Edison Company, Chicago, Ill.
 Chicago Rapid Transit Company, Chicago, Ill.
 Sears Roebuck Company
 Carson, Pirie, Scott & Company, Chicago, Ill.
 Hartman Furniture Company, Chicago, Ill.
 Westinghouse Electric Company, Pittsburgh, Pa.
 Fleischman Yeast Company
 American Bank Note Company, Chicago, Ill.
 American Radiator Company, Chicago, Ill.
 Great Atlantic & Pacific Tea Company
 Crane Company, Corwith Plant, Chicago, Ill.
 Roxanna Petroleum Company, East Chicago, Ind.
 Studebaker Corp., South Bend, Ind.
 Pullman Company, Chicago, Ill.
 Public Service Company, Oklahoma
 Standard Oil Company
 Carborundum Company, Niagara Falls, N. Y.
 Trenton Potteries Company, Trenton, N. J.
 Bell Telephone Company
 Los Angeles City Railways
 Woolworth Stores
 Kresge Stores

Public and Parochial Schools, Universities and Gymnasiums

New York Public Schools
 Chicago Public Schools
 Milwaukee, Wisconsin, Public Schools
 Los Angeles, California, Public Schools
 Indianapolis, Indiana, Public Schools
 Kansas City, Missouri, Public Schools
 Grand Rapids, Michigan, Public Schools
 Dallas, Texas, Public Schools
 Seattle, Washington, Public Schools
 University of Michigan
 University of Illinois
 University of California
 University of Chicago
 University of Minnesota
 University of Colorado
 University of Kansas
 University of Iowa
 University of Wisconsin
 Princeton University

State Teachers' College, Texas
 Teachers' Training College, Duluth, Minn.
 St. Leo's High School, Chicago, Ill.
 Y. W. C. A., Los Angeles, Calif.
 Y. W. C. A., Denver, Colo.

Hospitals and Hotels

St. Luke's Hospital, Chicago, Ill.
 Cook County Hospital, Chicago, Ill.
 Keifer Hospital, Detroit, Mich.
 Children's Hospital, Milwaukee, Wis.
 Isolation Hospital, St. Louis, Mo.
 United States Veteran Hospital, Ft. Snelling, Minn.
 State Hospital, Elgin, Ill.
 Columbia Presbyterian Medical Hospital, New York City
 Morrison Hotel, Chicago, Ill.
 Sherman Hotel, Chicago, Ill.

Stadiums, Ball Parks, Public Parks, Public Buildings and Clubs

University of Michigan Stadium
 White Sox Ball Park, Chicago, Ill.
 Elks' Club, Memphis, Tenn.
 Lakeshore Athletic Club, Chicago, Ill.
 St. Louis Ball Park, St. Louis, Mo.
 New York Public Parks
 Chicago Public Parks
 Louisville, Ky., Public Parks
 Detroit Public Parks
 Seattle Public Parks
 Casa Del Mar Club, Los Angeles, Calif.
 Denver Athletic Club, Denver, Colo.
 I. O. O. F. Temple, Chicago, Ill.
 Knights of Columbus Club House, Rochester, N. Y.
 Masonic Club, Brooklyn, N. Y.
 Standard Club, Chicago, Ill.

Railroads

Atchison, Topeka & Santa Fe R. R.
 Baltimore & Ohio R. R.
 Chicago, Burlington & Quincy R. R.
 Chesapeake & Ohio R. R.
 Illinois Central System
 Pennsylvania R. R.
 Delaware, Lackawanna & Western R. R.
 Frisco Line
 Florida East Coast Ry.
 Southern Pacific Lines
 Chicago, Rock Island & Pacific R. R.

We maintain a complete engineering staff for the purpose of making complete detail lay-outs; furnishing costs and estimates, etc., to adapt FERROMETAL Products to your particular requirements.



